

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Moon et al.

**Serial No.:** 09/874,631

**Filed:** June 5, 2001

**For:** FLEXIBLE BALL GRID ARRAY  
CHIP SCALE PACKAGES

**Confirmation No.:** 5108

**Examiner:** S. Clark

**Group Art Unit:** 2815

**Attorney Docket No.:** 2269-4368US  
(99-0959.00/US)

**NOTICE OF EXPRESS MAILING**

Express Mail Mailing Label Number: EL994823728US

Date of Deposit with USPS: February 14, 2005

Person making Deposit: Steve Wong

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

| <u>U.S. Patent No.</u> | <u>Publication Date</u> | <u>Patentee</u> |
|------------------------|-------------------------|-----------------|
| 5,723,347              | 03/1998                 | Hirano et al.   |
| 5,812,378              | 09/1998                 | Fjelstad et al. |
| 5,892,271              | 04/1999                 | Takeda et al.   |
| 5,986,460              | 11/1999                 | Kawakami        |
| 6,133,072              | 10/2000                 | Fjelstad        |
| 6,208,525              | 03/2001                 | Imasu et al.    |
| 6,271,469              | 08/2001                 | Ma et al.       |
| 6,281,046              | 08/2001                 | Lam             |
| 6,291,884 B1           | 09/2001                 | Glenn et al.    |
| 6,376,769              | 04/2002                 | Chung           |
| 6,404,648 B1           | 06/2002                 | Slupe et al.    |
| 6,407,450              | 06/2002                 | Verma et al.    |
| 6,452,807              | 09/2002                 | Barrett         |
| 6,534,853              | 03/2003                 | Liu et al.      |
| 6,552,910              | 04/2003                 | Moon et al.     |
| 6,563,223              | 05/2003                 | Freeman         |
| 6,600,222              | 07/2003                 | Levardo         |
| 6,634,100 B2           | 10/2003                 | Akram et al.    |
| 6,791,195              | 09/2004                 | Urushima        |
| 2001/0048157 A1        | 12/2001                 | Murtuza         |
| 2001/053563 A1         | 12/2001                 | Kim et al.      |
| 2003/0042595 A1        | 03/2003                 | Canella         |
| 2004/0026773 A1        | 02/2004                 | Koon et al.     |

**Serial No. 09/874,631**

|                 |         |                   |
|-----------------|---------|-------------------|
| 2004/0212055 A1 | 10/2004 | Exposito et al.   |
| 2004/0217454 A1 | 11/2004 | Brechignac et al. |

Foreign Patent Documents

| <u>Document No.</u> | <u>Publication Date</u> | <u>Patentee</u> |
|---------------------|-------------------------|-----------------|
| JP 04030456         | 02/1992                 | Yamaguchi       |
| EP 0475022 A1       | 03/1992                 | Grube et al.    |
| EP 0997942 A2       | 05/2000                 | Horiuchi et al. |
| JP 02000230964      | 08/2000                 | Hikita          |
| JP 2001077294       | 03/2001                 | Hashimoto       |

Other Documents

Australian Search Report dated 11 Aug 2004 (3 pages).

Australian Search Report dated 16 Aug 2004 (4 pages).

Australian Search Report dated 08 Nov 2004 (5 pages).

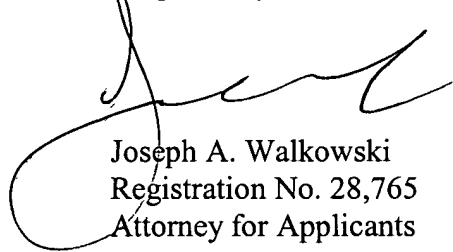
Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

**Serial No. 09/874,631**

This Supplemental Information Disclosure Statement is filed concurrently with an RCE in the above-identified application, and therefore no additional fee is due.

Respectfully submitted,



Joseph A. Walkowski  
Registration No. 28,765  
Attorney for Applicants

TRASKBRITT

P.O. Box 2550

Salt Lake City, Utah 84110-2550

Telephone: 801-532-1922

Date: February 14, 2005

JAW/dlm:ljb

Enclosures: Form PTO-1449 or PTO/SB/08

Copy of documents cited

Document in ProLaw

Form PTO-1449

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

2269-4368US (99-0959.00/US)

Application Number

09/874,631

Applicant

Moon et al.

Filing Date June 5, 2001

Group Art Unit 2815

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME              | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|---------|-------------------|-------|----------|-------------------------------|
|                     | 5,723,347       | 03/1998 | Hirano et al.     |       |          |                               |
|                     | 5,812,378       | 09/1998 | Fjelstad et al.   |       |          |                               |
|                     | 5,892,271       | 04/1999 | Takeda et al.     |       |          |                               |
|                     | 5,986,460       | 11/1999 | Kawakami          |       |          |                               |
|                     | 6,133,072       | 10/2000 | Fjelstad          |       |          |                               |
|                     | 6,208,525       | 03/2001 | Imasu et al.      |       |          |                               |
|                     | 6,271,469       | 08/2001 | Ma et al.         |       |          |                               |
|                     | 6,281,046       | 08/2001 | Lam               |       |          |                               |
|                     | 6,291,884 B1    | 09/2001 | Glenn et al.      |       |          |                               |
|                     | 6,376,769       | 04/2002 | Chung             |       |          |                               |
|                     | 6,404,648 B1    | 06/2002 | Slupe et al.      |       |          |                               |
|                     | 6,407,450       | 06/2002 | Verma et al.      |       |          |                               |
|                     | 6,452,807       | 09/2002 | Barrett           |       |          |                               |
|                     | 6,534,853       | 03/2003 | Liu et al.        |       |          |                               |
|                     | 6,552,910       | 04/2003 | Moon et al.       |       |          |                               |
|                     | 6,563,223       | 05/2003 | Freeman           |       |          |                               |
|                     | 6,600,222       | 07/2003 | Levardo           |       |          |                               |
|                     | 6,634,100 B2    | 10/2003 | Akram et al.      |       |          |                               |
|                     | 6,791,195       | 09/2004 | Urushima          |       |          |                               |
|                     | 2001/0048157 A1 | 12/2001 | Murtuza           |       |          |                               |
|                     | 2001/053563 A1  | 12/2001 | Kim et al.        |       |          |                               |
|                     | 2003/0042595 A1 | 03/2003 | Canella           |       |          |                               |
|                     | 2004/0026773 A1 | 02/2004 | Koon et al.       |       |          |                               |
|                     | 2004/0212055 A1 | 10/2004 | Exposito et al.   |       |          |                               |
|                     | 2004/0217454 A1 | 11/2004 | Brechignac et al. |       |          |                               |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

N:\2269\4368\Form PTO-1449 2.wpd